

What is claimed is:

1. An electronic circuit apparatus, wherein a plurality of unit circuit devices each having an electronic circuit are mounted adjacent to each other on
5 a substrate and said unit circuit devices are mutually electrically connected, wherein

each of said unit circuit device comprises
an input/output interface circuit;
a plurality of device connection
10 terminals arranged on a side adjacent to said other unit circuit devices and respectively connected to said electronic circuit by inter-connection not via said input/output interface circuit; and

a plurality of external connection
15 terminals arranged on a side not adjacent to said other unit circuit devices and respectively connected to said electronic circuit by inter-connection via said input/output interface circuit.

20 2. An electronic circuit apparatus as set forth in claim 1, wherein

said unit circuit device comprises a plurality of test terminals for a test on said electronic circuit arranged on a side not adjacent to said other
25 unit circuit devices; and

said test terminals are connected respectively to said electronic circuit by inter-connection via said input/output interface circuit.

5 3. An electronic circuit apparatus as set forth in claim 1, wherein

said unit circuit device has a plurality of test terminals for a test on said electronic circuit arranged on a side adjacent to said other unit circuit
10 devices and inside said device connection terminals; and

said test terminals are connected respectively to said electronic circuit by inter-connection via said input/output interface circuit.

15 4. An electronic circuit apparatus as set forth in claim 1, wherein

said external connection terminals serve as connection terminals for connecting with outside the electronic circuit apparatus and also as connection
20 terminals for a test on said electronic circuit.

5. An integrated circuit device comprising an electronic circuit, a plurality of which are mounted adjacent to each other in one module and said electronic
25 circuits are electrically connected, comprising:

an input/output interface circuit;

a plurality of device connection terminals
arranged on a side adjacent to other integrated circuit
devices when mounted on a module and respectively
5 connected to said electronic circuit by inter-connection
not via said input/output interface circuit; and

a plurality of external connection terminals
arranged on a side not adjacent to said other integrated
circuit devices and respectively connected to said
10 electronic circuit by inter-connection via said
input/output interface circuit.

6. An integrated circuit device as set forth in
claim 5, wherein

15 said unit circuit device comprises a
plurality of test terminals for a test on said electronic
circuit arranged on a side not adjacent to said other
unit circuit devices; and

said test terminals are connected
20 respectively to said electronic circuit by inter-
connection via said input/output interface circuit.

7. An integrated circuit device as set forth in
claim 5, wherein

25 said unit circuit device has a plurality of

test terminals for a test on said electronic circuit
arranged on a side adjacent to said other unit circuit
devices and inside said device connection terminals; and

said test terminals are connected

5 respectively to said electronic circuit by inter-
connection via said input/output interface circuit.

8. An integrated circuit device as set forth in
claim 5, wherein

10 said external connection terminals serve as
connection terminals for connecting with outside the
electronic circuit apparatus and also as connection
terminals for a test on said electronic circuit.